

INSPECTION REPORT

APPLICABLE DOC. REF.

AMS02-PDS PFM Manufacturing and Inspection Plan PDS-PL-CGS-001
is. 1

PROC. REF.

N.A.

ITEM INSPECTED (Name, P/N, S/N) AMS02-PDS PFM – PB2 MODULE ASSY p/n:11-AMS02PDS-700.00 s/n:03 (pcb s/n:07-006/B) — Inspection Point.

REQUIREMENT SATISFIED

Manufacturing according to aerospace standards

INSPECTION (Action/Results)

DESCRIPTION

Inspection was performed at Carlo Gavazzi Space premises starting on 29 May 2008 and was carried out on the following board, detail of the inspected board were below reported:

- 1) PB2 MODULE ASSY p/n:11-AMS02PDS-700.00 s/n:03 (pcb s/n:07-006/B).

HARDWARE REVIEW

1) PB2 MODULE ASSY p/n:11-AMS02PDS-700.00 s/n:03 (pcb s/n:07-006/B), Assy:11-AMS02PDS-700.00 rev./, Parts List:11-AMS02PDS-700.01 rev./, Electrical Scheme:11-AMS02PDS-700.02 rev./, Master PCB: SPO-PD-020500-DR-03-CGS rev./.

The following NCR were presented during the inspection:

- NCR-PDS-CGS-C-005(electronic components assembly problems), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the component C47 with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.
- NCR-PDS-CGS-C-030(PB2 outlet lines design improvement), NCR classified "minor" is closed.
- NCR-PDS-CGS-C-048(PB2 board bracket conductance optimization), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: mount card-retainer MWEN226-8.00TM2LR.

The following PLVS (Parts List Variation Sheet) were presented during the inspection:

- 11-AMS02PDS-700.01 rev / - A1 can be considered closed.
- 11-AMS02PDS-700.01 rev / - A2 can be considered closed.
- 11-AMS02PDS-700.01 rev / - A3 can be considered closed.
- 11-AMS02PDS-700.01 rev / - A4 can be considered closed.
- 11-AMS02PDS-700.01 rev / - A9 is still open.
- 11-AMS02PDS-700.01 rev / - A12 can be considered closed.

On the pcb the U11 (AD590) and L5 (inductor 11-AMS02PDS-700.08 rev./) components are not mounted. The H/W has been visually inspected and is ok:no damage, visible clean is ok.

Operator

Quality Assurance

C.C.

Signature

Date

E. FRANCHINI
29/05/08

C. CINQUEPALMI
C. Cinquepalmi
11/06/08



CARLO GAVAZZI

CARLO GAVAZZI SPACE SpA

AMS02-PDS

DOC N°: PDS-RP-CGS-011

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PAGE : 2 of 2

INSPECTION REPORT

APPLICABLE DOC. REF.

See page 1

PROC. REF.

See page 1

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See page 1

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See page 1

INSPECTION (Action/Results)

CONCLUSION

All solder joints are of adequate quality, the soldering process complies to ECSS-Q-70-08 and ECSS-Q-70-38, all modifications are performed according to ECSS-Q-70-28.

The open points are here listed:

- 1) NCR-PDS-CGS-C-005(electronic components assembly problems), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: glue the component C47 with adhesive EC 2216 B/A, perform a visual inspection of the previous rework
- 2) NCR-PDS-CGS-C-048(PB2 board bracket conductance optimization), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: mount card-retainer MWEN226-8.00TM2LR.
- 3) PLVS 11-AMS02PDS-700.01 rev / - A9 is still open.
- 4) The U11 (AD590) and L5 (inductor 11-AMS02PDS-700.08 rev./) components are not mounted.

Operator

Quality Assurance

C.C. .

Signature

Date

E. FRANCINI
29/05/08

C. CINQUEPACCHI
c. cinquelpacchi
11/06/08